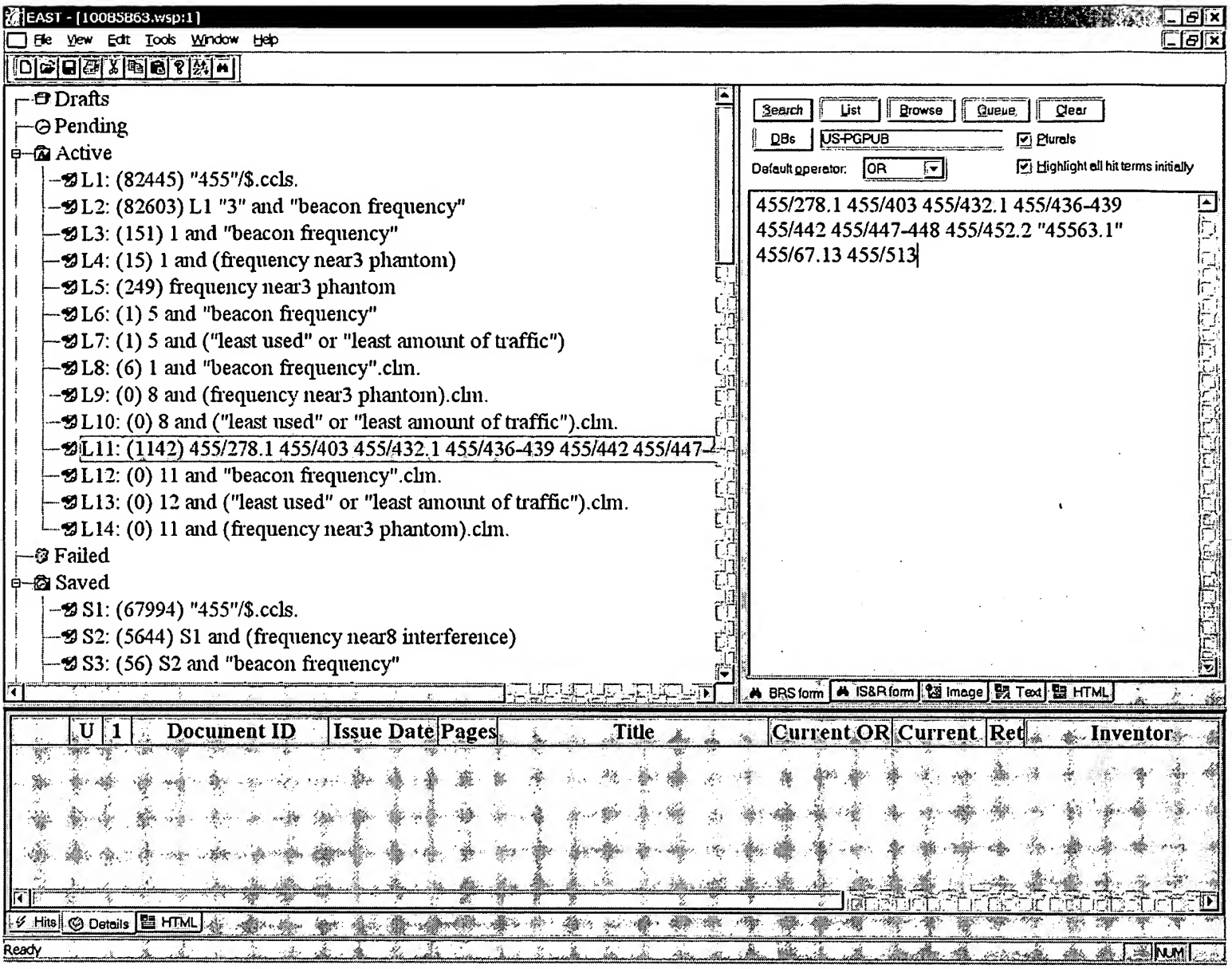
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L3: (151) 1 and "beacon frequency"
L4: (15) 1 and (frequency near3 phantom)
L5: (249) frequency near3 phantom
L6: (1) 5 and "beacon frequency"
L7: (1) 5 and ("least used" or "least amount of traffic")
L8: (6) 1 and "beacon frequency".clm.
L9: (0) 8 and (frequency near3 phantom).clm.
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S1: (67994) "455"/$.ccls.
S2: (5644) S1 and (frequency near8 interference)
S3: (56) S2 and "beacon frequency"
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  - L3: (151) 1 and "beacon frequency"
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  - S3: (56) S2 and "beacon frequency"
  - S4: (32) S3 and "signal strength"
  - S5: (30) S4 and (BS or "base station" or switch)
  - S6: (29) S5 and (wireless or mobile)
  - S7: (27) S6 and cell
  - S8: (18) S6 and cell
  - S9: (5) S8 and (neighbor$3 near3 cell)
  - S10: (2) S9 and matrix
  - S11: (1) S10 and MAHO
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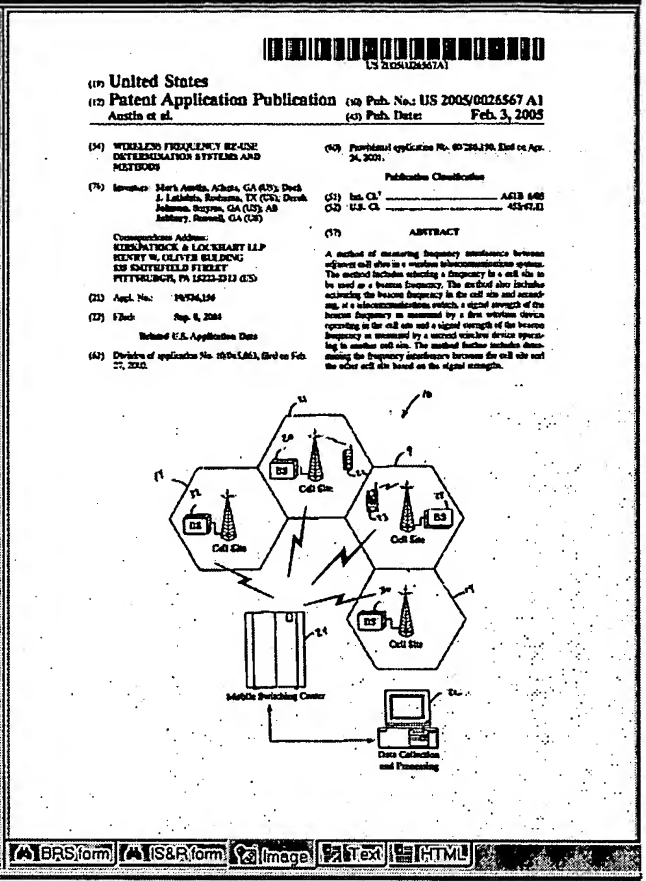
  - S13: (6067) S12 and (frequency near8 interference)



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(19) United States

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Austin et al. (43) Pub. Date: Feb. 3, 2005

(54) WIRELESS FREQUENCY RE-USE DETERMINATION SYSTEMS AND METHODS

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(21) Appl. No.: 10/936,156

(22) Filed: Sep. 8, 2004

Related U.S. Application Data

(62) Division of application No. 10/045,863, filed on Feb. 27, 2002.

(60) Provisional application No. 60/286,190, filed on Apr. 26, 2001.

Publication Classification

(51) Int. Cl.[7] A01B 6/00

(52) U.S. Cl. 455/67.11

(57) ABSTRACT

A method of measuring frequency interference between adjacent cell sites in a wireless telecommunications system. The method includes selecting a frequency in a cell site to be used as a beacon frequency. The method also includes activating the beacon frequency in the cell site and measuring, at a telecommunications switch, a signal strength of the beacon frequency as measured by a first wireless device operating in the cell site and a signal strength of the beacon frequency as measured by a second wireless device operating in another cell site. The method further includes determining the frequency interference between the cell site and the other cell site based on the signal strengths.

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	U	1	Document ID	Issue Date	Pages	Title	Current OR	Current	Ret	Inventor
1	☐	☐	US 20050026567 A1	20050203	9	Wireless frequency re-use determination systems and me	455/67.11			Austin, Mark et al.

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  - S7: (27) S6 and cell
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  - S10: (2) S9 and matrix
  - S11: (1) S10 and MAHO
  - S12: (73064) "455"/$.ccls.
  - S13: (6067) S12 and (frequency near8 interference)
  - S14: (59) S13 and "beacon frequency"

United States
Patent Application Publication
Austin et al.
Pub. No.: US 2005/0026567 A1
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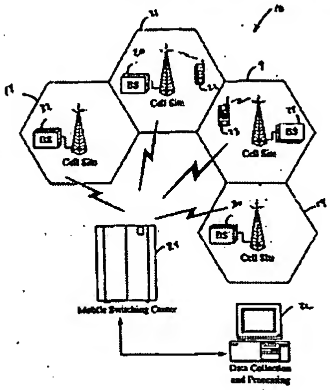

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